

# RAJAVEE SRIVASTAVA

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## SUMMARY

Results-driven Full Stack Web Developer with a proven technical background in Python, Django, and React. Completed an intensive Full Stack Web Developer Bootcamp, demonstrating expertise in web application development and optimization. Proficient in automation and pipeline optimization. Seeking to apply my technical skills and passion for innovation to drive impactful projects and deliver exceptional results.

## CERTIFICATIONS

### Full Stack Web-Developer

ByteAcademy

Apr 2023 - July 2023

Bangalore, India

- Mastered Django for backend development and React for frontend during an intensive Full Stack Web Developer Bootcamp.
- Gained proficiency in Python programming, utilizing it as the primary language for building web applications.
- Developed several interactive web applications to solidify my understanding of web development concepts.
- Created "**Stacked**", a dynamic website for writing blogs and showcasing multiple projects, using **Django and DjangoRestFramework** for backend APIs and **React** for frontend implementations.

## WORK EXPERIENCE

### Bioinformatics Intern

Haystack Analytics

Oct 2022 – Jan 2023

Mumbai, India

- Collaborated with the DevOps team to optimize existing pipelines for Next-Generation Sequencing Data analysis.
- Enhanced efficiency of manual analysis timelines by **50%** for the NCBI-BLAST web server through automation scripts using **Selenium and BeautifulSoup**.
- Developed **validation scripts** using **pandas and pandera modules** in Python to ensure accurate data entry protocols and reduce errors.
- **Technical Skills:** Python with NumPy, Matplotlib, Pandas and Pandera, Selenium, Git, Docker.
- **Soft Skills:** Time Management, Communication, Presentation skills.

## PROJECTS

### Stacked - A Personal Blog/Project Website | Python, Django, React

- Designed and developed a dynamic personal website to showcase projects and write blogs using Django and React.
- Leveraged Django to build a robust backend infrastructure, facilitating data management and user interactions.
- Implemented efficient APIs using DjangoRestFramework, enabling smooth data transmission and communication between frontend and backend components.
- Implemented responsive and user-friendly front-end interfaces for a seamless user experience using React and JavaScript elements.

### Prediction of Novel Drug Targets on Protein Structure | Pandas, Selenium Webdriver, BeautifulSoup

- Developed automation scripts using Selenium Webdriver to perform domain alignments and predict variable sites on protein structures.
- Identified potential species-specific sites on bacterial GTPases to enhance drug-development strategies and combat side effects resulting from broad-spectrum antibiotics.
- Designed a scoring strategy for predicted drug binding sites based on Electrostatic potential, Hydrophobicity, Charge, and Surface area.

## EDUCATION

### Ahmedabad University

Integrated Master's in Life Sciences

May 2022

CGPA: **3.3/4**

## SKILLS

**Languages:** Python, Javascript

**Frameworks:** Django, Flask

**Databases:** MySQL, MariaDB

**Frontend:** HTML, CSS, Bootstrap, React